Abstract

DETERMINING DISTANCE TO ECHO POINTS ON A WIRE-LINE MEDIUM

Determining distance to echo points on a wire-line medium from a testing point. A

sequence of test bits may be transmitted from one end (testing point) of a wire-line medium.

5   An echo is deemed to be received if a monitored bit stream equals/matches the transmitted

sequence. The distance to the echo point is computed by multiplying half the time to receive

the echo with a velocity of propagation of the bits. In an embodiment, the transmitted

sequence is chosen to exhibit good auto-correlation property, which enables the reception of

the echo to be determined reliably.